

ABSTRACT OF THE DISCLOSURE

A wireless sensor probe for use in environmental monitoring and control includes a separable probe body and sensor mast. The probe body includes a void configured to house the sensor mast including one or more sensor devices for sensing a soil property surrounding the probe body when the probe body is inserted partially into the ground. The probe body includes a probe top part for encapsulating the probe body and the sensor mast. The sensor mast is inserted into the probe body to form the sensor probe. In another embodiment, a wireless sensor probe includes a housing containing one or more sensor devices. The probe further includes a collar situated near a top portion of the housing being used to anchor the housing to the top of the ground and a gasket formed on the outside perimeter of the housing for securing the housing in the ground.